

CLAIMS

Sub A1

1. A method for separating components from vegetable material, characterized in that the material is at the least partly fiberized and subsequently is separated into a fiber fraction and a juice stream, such that the fiber fraction principally comprises relatively firm tissues such as epidermis, sclerenchyma and vascular bundles, and the juice stream principally comprises soft tissues such as parenchyma and cytosol.

2. A method according to claim 1, wherein the juice stream comprises chloroplasts.

Sub A2

3. A method according to claim 1 or 2, wherein the material is mechanically fiberized.

4. A method according to claim 3, wherein the material is fiberized by means of a refiner.

5. A method according to any one of claims 1-4, wherein the fiber fraction is separated from the juice stream by screening.

6. A method according to any one of claims 1-5, wherein the vegetable material originates from a genetically modified plant.

7. A method according to any one of claims 1-6, wherein the vegetable material at least originates from underground parts, such as roots or tubers, of a plant.

8. A method according to any one of claims 1-7, wherein the vegetable material originates from a cultivated crop.

9. A fiber fraction obtained through a method according to any one of claims 1-8.

10. Use of a fiber fraction according to claim 9.

11. Use of a fiber fraction according to claim 9 for the production of energy or for the production of cardboard and/or paper.

Sub A3

12. A juice stream obtained through a method according to any one of claims 1-8.

SubA3

13. A juice stream according to claim 12 which contains more than 55%, preferably more than 75%, preferably more than 90% of the crude protein of the vegetable material.

~~14 Use of a juice stream according to claim 12 or 13.~~

5 15. Use of a juice stream according to claim 12 or 13 for the production of food.

Sub A4

16. Use of a juice stream according to claim 12 or 13 for the recovery or purification of at least a content substance.

17. Use of a juice stream according to claim 16 for the recovery of a  
10 carbohydrate, such as starch or sugar.

18. Use of a juice stream according to claim 12 or 13 for the recovery or purification of recombinant products.

19. ~~An apparatus for carrying out a method according to any one of claims~~  
1-8.

15 20. An apparatus according to claim 18 which comprises at least a refiner.

21. An apparatus in which a method according to any one of claims 1-8 is carried out.

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